

ULTRA-HELIUM DEWARs

BUILT FOR RELIABLE TRANSPORT



Model 250 L



Model 100 L



Model 60 L

The Ultra Helium Dewars are designed and built for reliable transport. They are light, maneuverable and durable, while providing superior thermal performance. The unique neck tube design provides proven support during transportation. The outboard caster base provides maximum stability in a compact design.

Available in sizes ranging from 60 to 500 liters. The Ultra Helium Dewars are suitable for air transport (IATA conforming) with the optional absolute pressure relief valve. All models are 100% non-magnetic for Magnetic Resonance Imagery (MRI) service.

PRODUCT HIGHLIGHTS

The Ultra Helium Dewar's controls are conveniently located on the top, with nesting fill couplings to accept various standard transfer line sizes. The optional electric pressure builder can quickly increase pressure for liquid transfer while maintaining low heat leak. It has two pre-set ranges (4 or 8 psig/0.3 or 0.6 barg) for efficient liquid helium withdrawal.

- Maximum durability and lightweight
- Outstanding thermal performance
- Large ball valves for up to 3/4" (19 mm) transfer lines



Innovation. Experience. Performance.™

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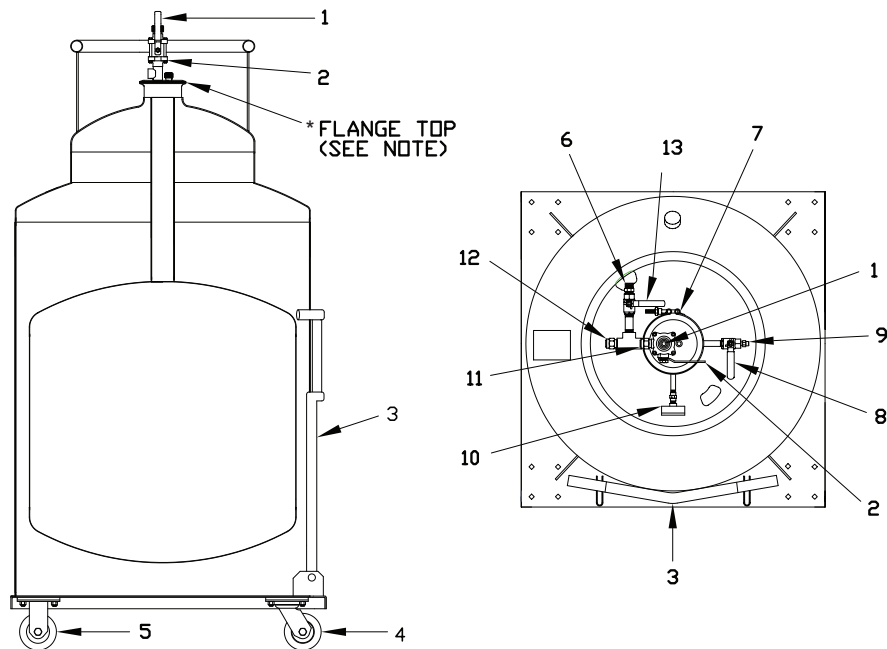
BUILT FOR RELIABLE TRANSPORT

| Specifications | | | | | |
|--|-------------|--------------|--------------|--------------|---------------|
| MODEL | | 60 | 100 | 250 | 500 |
| | Part Number | 10533409 | 10533417 | 9923629 | 11202581 |
| CAPACITY⁽¹⁾ | | | | | |
| Liquid (Gross) | (liters) | 66 | 110 | 275 | 550 |
| Liquid (Net) | (liters) | 60 | 100 | 250 | 500 |
| PERFORMANCE | | | | | |
| NER ⁽²⁾ | % per day | 1.75 | 1.25 | 1.0 | 1.0 |
| MAWP | psig / barg | 10.0 / 0.7 | 10.0 / 0.7 | 10.0 / 0.7 | 10.0 / 0.7 |
| DIMENSIONS & PRESSURE RATINGS | | | | | |
| Relief Valve Setting | psig / barg | 10.0 / 0.7 | 10.0 / 0.7 | 10.0 / 0.7 | 10.0 / 0.7 |
| Secondary Relief Valve | psig / barg | 12.0 / 0.8 | 12.0 / 0.8 | 12.0 / 0.8 | 12.0 / 0.8 |
| Diameter | in / cm | 26 / 66 | 26 / 66 | 32.0 / 81.3 | 42.0 / 106.7 |
| Height | in / cm | 49.5 / 125.7 | 56.5 / 143.5 | 67.4 / 171.1 | 67.25 / 170.8 |
| Dip Tube Length ⁽¹⁾ | in / cm | 32.5 / 82.6 | 39.5 / 100.3 | 54.4 / 138.2 | 51.5 / 98.1 |
| Tare Weight | lb / kg | 184 / 83 | 212 / 96 | 348 / 158 | 470 / 213.2 |

(1) The dip tube length is measured from the tank flange to the bottom of the inner vessel.

(2) Based on gross capacity.

Contact Customer Service for a full line of Helium Accessories.



Nomenclature

1. Quick Coupling Stack
2. Liquid Valve
3. Handle Assembly
4. Swivel Caster Non-Magnetic
5. Rigid Caster Non-Magnetic
6. Vent Valve Connection
7. V-Band Clamp
8. Aux. Relief Isolation Valve
9. Aux. Relief Valve
1.0 psig (.07 barg)
10. Pressure Gauge
11. Secondary Relief Valve
12 psig (.8 barg)
12. Main Relief Valve
10 psig (.7 barg)
13. Main Vent Valve

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